



1 SCOPE

This document details the application of SOP 289 issued by the Electricity Association.

2 ISSUE RECORD

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| Issue Date | Issue No | Author | Amendment Details |
|-------------------|-----------------|---------------|----------------------------------|
| August 2002 | 1 | David Naylor | Initial Issue 2 Page Document |

3 ISSUE AUTHORITY

| Author | Owner | Issue Authority |
|---|--|---|
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4 SOP DETAILS

TYPE : ABB Nitran LV Pillar

ORIGINATING REC : Defence Estates (DEO)

DATE : 11/01/2002

NO. INSTALLED IN MANWEB: None with voltage test sockets

NO. INSTALLED IN SCOTLAND: Numerous

STATUS : Restriction:.

1. The insulated voltage test sockets fed from the top contacts (incoming side) of the transformer disconnecter shall NOT be used for live testing under any circumstances.

2. Where it is required to check phasing across the transformer disconnecter then this shall only be carried out using approved Drummond test lamps fitted with approved 83mm long insulated test probes. Access to the top contact of the disconnecter shall only be gained using the 6mm diameter hole on the angled portion of the transformer disconnecter shrouding.

3. Where it is required to measure voltage on the top side of the disconnecter then this shall only be done using an approved voltmeter fitted with approved fused leads and test probes. Access to the top contact of the disconnecter shall only be gained using the 6mm diameter hole on the angled portion of the transformer disconnecter shrouding.

4. If a phase rotation check is required then this must be carried out by removing the fuses from all LV ways, closing the transformer disconnecter and then connecting an approved phase rotation meter to the busbar connections on one of the outgoing ways of the LV fuse cabinet.

REASON: These LV pillars were available with optional voltage test sockets for testing voltage, phase rotation or phasing out. The insulating material around the sockets has been found to become brittle and break resulting in flashover.

UPDATE:

REMEDIAL ACTION: Refer to DOM 2.2.3 Operational Restriction 54.